GenCore version 5.1.4_p5_4578

OM nucleic - nucleic search, using sw model

Run on: March 11, 2003, 00:05:17 ; Search time 44.0155 Seconds
(without alignments)
236.894 Million cell updates/sec

Title: US-09-913-524-33
Perfect score: 34
Sequence: 1 aggcctccggaggaaccgnctgcccatgccaact 34

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_NA:*
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2: /cgn2_6/ptodata/1/ina/5B_COMB.seq:*
3: /cgn2_6/ptodata/1/ina/6A_COMB.seq:*
4: /cgn2_6/ptodata/1/ina/6B_COMB.seq:*
5: /cgn2_6/ptodata/1/ina/PCTUS_COMB.seq:*
6: /cgn2_6/ptodata/1/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Result No.	Score	% Query Match	Length	DB	ID	Description
	1	33	97.1	1237	1	US-08-197-792-40	Sequence 40, Appl
	2	33	97.1	1237	1	US-08-459-850-40	Sequence 40, Appl
	3	33	97.1	1237	1	US-08-459-214-40	Sequence 40, Appl
	4	23.4	68.8	1343	1	US-08-197-792-30	Sequence 30, Appl
	5	23.4	68.8	1343	1	US-08-459-850-30	Sequence 30, Appl
	6	23.4	68.8	1343	1	US-08-459-214-30	Sequence 30, Appl
	7	19.6	57.6	1500	1	US-08-704-398-1	Sequence 1, Appli
	8	19.6	57.6	1500	5	PCT-US95-05966-1	Sequence 1, Appli
	9	19.2	56.5	1812	4	US-09-008-097-3	Sequence 3, Appli
	10	19.2	56.5	3549	4	US-09-008-097-5	Sequence 5, Appli
	11	19.2	56.5	4046	1	US-07-793-961A-1	Sequence 1, Appli
	12	19.2	56.5	4046	1	US-08-240-357-1	Sequence 1, Appli
	13	19.2	56.5	4131	3	US-08-726-214-11	Sequence 11, Appl
	14	19.2	56.5	4942	4	US-09-474-076-1	Sequence 1, Appli
	15	19.2	56.5	45546	4	US-09-146-053-6	Sequence 6, Appli
	16	19	55.9	176	4	US-09-397-787-331	Sequence 331, App
	17	19	55.9	613	2	US-08-658-639-11	Sequence 11, Appl
	18	19	55.9	613	4	US-08-944-604-11	Sequence 11, Appl
	19	19	55.9	903	4	US-08-944-604-15	Sequence 15, Appl
	20	18.8	55.3	12141	4	US-09-488-671-10	Sequence 10, Appl
c	21	18.8	55.3	43280	2	US-08-804-227C-1	Sequence 1, Appli
	22	18.6	54.7	2661	4	US-09-221-017B-1035	Sequence 1035, Ap
c	23	18.2	53.5	1074	2	US-08-627-151A-15	Sequence 15, Appl
	24	18.2	53.5	1196	3	US-08-691-563C-56	Sequence 56, Appl
c	25	18.2	53.5	1404	6	5171840-8	Patent No. 5171840
c	26	18.2	53.5	1404	6	5480796-8	Patent No. 5480796
c	27	18.2	53.5	1486	4	US-08-795-473B-3	Sequence 3, Appli
c	28	18.2	53.5	1486	4	US-09-439-856-3	Sequence 3, Appli
c	29	18.2	53.5	2061	6	5171840-1	Patent No. 5171840
c	30	18.2	53.5	2061	6	5480796-1	Patent No. 5480796
	31	18.2	53.5	2391	3	US-08-691-563C-57	Sequence 57, Appl
c	32	18.2	53.5	3319	4	US-08-795-473B-2	Sequence 2, Appli
c	33	18.2	53.5	3319	4	US-09-439-856-2	Sequence 2, Appli
c	34	17.8	52.4	63	4	US-09-258-797-116	Sequence 116, App
	35	17.8	52.4	1376	4	US-09-443-184-44	Sequence 44, Appl
c	36	17.8	52.4	1722	3	US-08-691-563C-58	Sequence 58, Appl
	37	17.6	51.8	516	5	PCT-US95-02795A-3	Sequence 3, Appli
	38	17.6	51.8	521	1	US-08-481-633B-1	Sequence 1, Appli
	39	17.6	51.8	521	1	US-08-480-493A-1	Sequence 1, Appli
	40	17.6	51.8	521	1	US-08-482-638A-1	Sequence 1, Appli
	41	17.6	51.8	531	5	PCT-US95-02795A-1	Sequence 1, Appli
	42	17.6	51.8	1879	4	US-09-750-580-2	Sequence 2, Appli
	43	17.6	51.8	2618	4	US-09-488-671-17	Sequence 17, Appl
	44	17.6	51.8	4473	3	US-08-894-173-1	Sequence 1, Appli
	45	17.6	51.8	4473	4	US-09-398-193-1	Sequence 1, Appli

ALIGNMENTS

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RESULT 1
US-08-197-792-40
; Sequence 40, Application US/08197792
; Patent No. 5525488
; GENERAL INFORMATION:
;   APPLICANT: Anthony J. Mason
;   APPLICANT: Peter H. Seeburg
;   TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or Beta Chains of Inhibin
;   NUMBER OF SEQUENCES: 44
;   CORRESPONDENCE ADDRESS:
;     ADDRESSEE: Genentech, Inc.
;     STREET: 460 Point San Bruno Blvd
;     CITY: South San Francisco
;     STATE: California
;     COUNTRY: USA
;     ZIP: 94080
;   COMPUTER READABLE FORM:
;     MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
;     COMPUTER: IBM PC compatible
;     OPERATING SYSTEM: PC-DOS/MS-DOS
;     SOFTWARE: patin (Genentech)
;   CURRENT APPLICATION DATA:
;     APPLICATION NUMBER: US/08/197,792
;     FILING DATE: 16-FEB-1994
;     CLASSIFICATION: 435
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER: 07/958414
;     FILING DATE: 08-OCT-1992
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER: 07/744207
;     FILING DATE: 12-AUG-1991
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER: 07/215466
;     FILING DATE: 05-JUL-1988
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER: 06/906729
;     FILING DATE: 31-DEC-1986
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER: 06/827710
;     FILING DATE: 07-FEB-1986
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER: 06/783910
;     FILING DATE: 03-OCT-1985
;   ATTORNEY/AGENT INFORMATION:
;     NAME: Hasak, Janet E.
;     REGISTRATION NUMBER: 28,616
;     REFERENCE/DOCKET NUMBER: 297P2D4
;   TELECOMMUNICATION INFORMATION:
;     TELEPHONE: 415/225-1896
;     TELEFAX: 415/952-9881
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;      TELEX:  910/371-7168
;  INFORMATION FOR SEQ ID NO:  40:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  1237 bases
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-197-792-40

  Query Match             97.1%;  Score 33;  DB 1;  Length 1237;
  Best Local Similarity   97.1%;  Pred. No. 0.00016;
  Matches   33;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1 AGGCCTCCGGAGGAACCGNCTGCCCATGCCAACT 34
           ||||||||||||||||| ||||||||||||||||
Db     708 AGGCCTCCGGAGGAACCGGCTGCCCATGCCAACT 741


RESULT 2
US-08-459-850-40
; Sequence 40, Application US/08459850
; Patent No. 5665568
;  GENERAL INFORMATION:
;    APPLICANT:  Anthony J. Mason
;    APPLICANT:  Peter H. Seeburg
;    TITLE OF INVENTION:  Nucleic Acid Encoding the Alpha or
;    TITLE OF INVENTION:  Beta Chains of Inhibin and Method for Synthesizing Polypeptide
;    TITLE OF INVENTION:  Using such Nucleic Acid
;    NUMBER OF SEQUENCES:  44
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Genentech, Inc.
;      STREET:  460 Point San Bruno Blvd
;      CITY:  South San Francisco
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94080
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  5.25 inch, 360 Kb floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  patin (Genentech)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/459,850
;      FILING DATE:  02-JUN-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/197792
;      FILING DATE:  17-FEB-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/958414
;      FILING DATE:  08-OCT-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/744207
;      FILING DATE:  12-AUG-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/215466
;      FILING DATE:  05-JUL-1988
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  06/906729
;      FILING DATE:  31-DEC-1986
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  06/827710
;      FILING DATE:  07-FEB-1986
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  06/783910
;      FILING DATE:  03-OCT-1985
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Hasak, Janet E.
;      REGISTRATION NUMBER:  28,616
;      REFERENCE/DOCKET NUMBER:  297P2D5
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  415/225-1896
;      TELEFAX:  415/952-9881
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;      TELEX:  910/371-7168
;  INFORMATION FOR SEQ ID NO:  40:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  1237 bases
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-459-850-40

  Query Match             97.1%;  Score 33;  DB 1;  Length 1237;
  Best Local Similarity   97.1%;  Pred. No. 0.00016;
  Matches   33;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1 AGGCCTCCGGAGGAACCGNCTGCCCATGCCAACT 34
           ||||||||||||||||| ||||||||||||||||
Db     708 AGGCCTCCGGAGGAACCGGCTGCCCATGCCAACT 741


RESULT 3
US-08-459-214-40
; Sequence 40, Application US/08459214
; Patent No. 5716810
;  GENERAL INFORMATION:
;    APPLICANT:  Anthony J. Mason
;    APPLICANT:  Peter H. Seeburg
;    TITLE OF INVENTION:  Nucleic Acid Encoding the Alpha or
;    TITLE OF INVENTION:  Beta Chains of Inhibin and Method for Synthesizing Polypep
;    TITLE OF INVENTION:  Using such Nucleic Acid
;    NUMBER OF SEQUENCES:  44
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Genentech, Inc.
;      STREET:  460 Point San Bruno Blvd
;      CITY:  South San Francisco
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94080
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  5.25 inch, 360 Kb floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  patin (Genentech)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/459,214
;      FILING DATE:  02-JUN-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/197792
;      FILING DATE:  17-FEB-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/958414
;      FILING DATE:  08-OCT-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/744207
;      FILING DATE:  12-AUG-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/215466
;      FILING DATE:  05-JUL-1988
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  06/906729
;      FILING DATE:  31-DEC-1986
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  06/827710
;      FILING DATE:  07-FEB-1986
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  06/783910
;      FILING DATE:  03-OCT-1985
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Hasak, Janet E.
;      REGISTRATION NUMBER:  28,616
;      REFERENCE/DOCKET NUMBER:  297P2D6
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  415/225-1896
;      TELEFAX:  415/952-9881
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;       TELEX:  910/371-7168
;  INFORMATION FOR SEQ ID NO:  40:
;    SEQUENCE CHARACTERISTICS:
;       LENGTH:  1237 bases
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
US-08-459-214-40

  Query Match             97.1%;  Score 33;  DB 1;  Length 1237;
  Best Local Similarity   97.1%;  Pred. No. 0.00016;
  Matches   33;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy       1 AGGCCTCCGGAGGAACCGNCTGCCCATGCCAACT 34
           ||||||||||||||||||| ||||||||||||||||
Db     708 AGGCCTCCGGAGGAACCGGCTGCCCATGCCAACT 741


RESULT 4
US-08-197-792-30
; Sequence 30, Application US/08197792
; Patent No. 5525488
;  GENERAL INFORMATION:
;    APPLICANT:  Anthony J. Mason
;    APPLICANT:  Peter H. Seeburg
;    TITLE OF INVENTION:  Nucleic Acid Encoding the Alpha or Beta Chains of Inhibin and
;    NUMBER OF SEQUENCES:  44
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Genentech, Inc.
;      STREET:  460 Point San Bruno Blvd
;      CITY:  South San Francisco
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94080
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  5.25 inch, 360 Kb floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  patin (Genentech)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/197,792
;      FILING DATE:  16-FEB-1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/958414
;      FILING DATE:  08-OCT-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/744207
;      FILING DATE:  12-AUG-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/215466
;      FILING DATE:  05-JUL-1988
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  06/906729
;      FILING DATE:  31-DEC-1986
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  06/827710
;      FILING DATE:  07-FEB-1986
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  06/783910
;      FILING DATE:  03-OCT-1985
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Hasak, Janet E.
;      REGISTRATION NUMBER:  28,616
;      REFERENCE/DOCKET NUMBER:  297P2D4
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  415/225-1896
;      TELEFAX:  415/952-9881
;      TELEX:  910/371-7168
;  INFORMATION FOR SEQ ID NO:  30:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  1343 bases
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-197-792-30

  Query Match             68.8%;  Score 23.4;  DB 1;  Length 1343;
  Best Local Similarity   79.4%;  Pred. No. 0.94;
  Matches   27;  Conservative    0;  Mismatches    7;  Indels    0;  Gaps    0;

Qy       1 AGGCCTCCGGAGGAACCGNCTGCCCATGCCAACT 34
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Db     816 AGGCCCCCGGAGGAACCCGCTGTGCACGCCGACT 849


RESULT 5
US-08-459-850-30
; Sequence 30, Application US/08459850
; Patent No. 5665568
;  GENERAL INFORMATION:
;    APPLICANT:  Anthony J. Mason
;    APPLICANT:  Peter H. Seeburg
;    TITLE OF INVENTION:  Nucleic Acid Encoding the Alpha or
;    TITLE OF INVENTION:  Beta Chains of Inhibin and Method for Synthesizing Polype
;    TITLE OF INVENTION:  Using such Nucleic Acid
;    NUMBER OF SEQUENCES:  44
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Genentech, Inc.
;      STREET:  460 Point San Bruno Blvd
;      CITY:  South San Francisco
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94080
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  5.25 inch, 360 Kb floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  patin (Genentech)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/459,850
;      FILING DATE:  02-JUN-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/197792
;      FILING DATE:  17-FEB-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/958414
;      FILING DATE:  08-OCT-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/744207
;      FILING DATE:  12-AUG-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/215466
;      FILING DATE:  05-JUL-1988
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  06/906729
;      FILING DATE:  31-DEC-1986
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  06/827710
;      FILING DATE:  07-FEB-1986
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  06/783910
;      FILING DATE:  03-OCT-1985
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Hasak, Janet E.
;      REGISTRATION NUMBER:  28,616
;      REFERENCE/DOCKET NUMBER:  297P2D5
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  415/225-1896
;      TELEFAX:  415/952-9881
;      TELEX:  910/371-7168
;  INFORMATION FOR SEQ ID NO:  30:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  1343 bases
;      TYPE:  nucleic acid
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;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-459-850-30

  Query Match             68.8%;  Score 23.4;  DB 1;  Length 1343;
  Best Local Similarity   79.4%;  Pred. No. 0.94;
  Matches   27;  Conservative    0;  Mismatches    7;  Indels    0;  Gaps    0;

Qy       1 AGGCCTCCGGAGGAACCGNCTGCCCATGCCAACT 34
           ||||| |||||||||||  |||  || ||| |||
Db     816 AGGCCCCCGGAGGAACCCGCTGTGCACGCCGACT 849


RESULT 6
US-08-459-214-30
; Sequence 30, Application US/08459214
; Patent No. 5716810
;  GENERAL INFORMATION:
;    APPLICANT:  Anthony J. Mason
;    APPLICANT:  Peter H. Seeburg
;    TITLE OF INVENTION:  Nucleic Acid Encoding the Alpha or
;    TITLE OF INVENTION:  Beta Chains of Inhibin and Method for Synthesizing Polypeptide
;    TITLE OF INVENTION:  Using such Nucleic Acid
;    NUMBER OF SEQUENCES:  44
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Genentech, Inc.
;      STREET:  460 Point San Bruno Blvd
;      CITY:  South San Francisco
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94080
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  5.25 inch, 360 Kb floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  patin (Genentech)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/459,214
;      FILING DATE:  02-JUN-1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/197792
;      FILING DATE:  17-FEB-1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/958414
;      FILING DATE:  08-OCT-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/744207
;      FILING DATE:  12-AUG-1991
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/215466
;      FILING DATE:  05-JUL-1988
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  06/906729
;      FILING DATE:  31-DEC-1986
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  06/827710
;      FILING DATE:  07-FEB-1986
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  06/783910
;      FILING DATE:  03-OCT-1985
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Hasak, Janet E.
;      REGISTRATION NUMBER:  28,616
;      REFERENCE/DOCKET NUMBER:  297P2D6
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  415/225-1896
;      TELEFAX:  415/952-9881
;      TELEX:  910/371-7168
;  INFORMATION FOR SEQ ID NO:  30:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  1343 bases
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-459-214-30

  Query Match             68.8%;  Score 23.4;  DB 1;  Length 1343;
  Best Local Similarity   79.4%;  Pred. No. 0.94;
  Matches   27;  Conservative    0;  Mismatches    7;  Indels    0;  Gaps    0;

Qy       1 AGGCCTCCGGAGGAACCGNCTGCCCATGCCAACT 34
           ||||| |||||||||||  |||  || ||| |||
Db     816 AGGCCCCCGGAGGAACCCGCTGTGCACGCCGACT 849


RESULT 7
US-08-704-398-1
; Sequence 1, Application US/08704398
; Patent No. 5679525
;  GENERAL INFORMATION:
;    APPLICANT:  Peterson, Michael G
;    APPLICANT:  Henkel, Thomas
;    TITLE OF INVENTION:  EPSTEIN-BARR VIRUS TRANSCRIPTION FACTOR
;    TITLE OF INVENTION:  BINDING ASSAY
;    NUMBER OF SEQUENCES:  11
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  FLEHR, HOHBACH, TEST, ALBRITTON & HERBERT
;      STREET:  4 Embarcadero Center, Suite 3400
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94111-4187
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/704,398
;      FILING DATE:
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/246,977
;      FILING DATE:  20-MAY-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Osman, Richard A
;      REGISTRATION NUMBER:  36,627
;      REFERENCE/DOCKET NUMBER:  A-59233/ TO
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 781-1989
;      TELEFAX:  (415) 398-3249
;      TELEX:  910 277299
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  1500 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    FEATURE:
;      NAME/KEY:  CDS
;      LOCATION:  1..1500
US-08-704-398-1

  Query Match             57.6%;  Score 19.6;  DB 1;  Length 1500;
  Best Local Similarity   81.5%;  Pred. No. 29;
  Matches   22;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy       3 GCCTCCGGAGGAACCGNCTGCCCATGC 29
           |||  ||||||| ||| |||| |||||
Db      21 GCCCGCGGAGGAGCCGCCTGCGCATGC 47


RESULT 8
PCT-US95-05966-1
```

```
; Sequence 1, Application PC/TUS9505966
;  GENERAL INFORMATION:
;    APPLICANT:  TULARIK, INC.
;    TITLE OF INVENTION:  EPSTEIN-BARR VIRUS TRANSCRIPTION FACTOR
;    TITLE OF INVENTION:  BINDING ASSAY
;    NUMBER OF SEQUENCES:  11
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  FLEHR, HOHBACH, TEST, ALBRITTON & HERBERT
;      STREET:  4 Embarcadero Center, Suite 3400
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94111-4187
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  Patentin Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US95/05966
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/246,977
;      FILING DATE:  20-MAY-1994
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Osman, Richard A
;      REGISTRATION NUMBER:  36,627
;      REFERENCE/DOCKET NUMBER:  FP-59233-PC/RAO
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 781-1989
;      TELEFAX:  (415) 398-3249
;      TELEX:  910 277299
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  1500 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    FEATURE:
;      NAME/KEY:  CDS
;      LOCATION:  1..1500
PCT-US95-05966-1

  Query Match             57.6%;  Score 19.6;  DB 5;  Length 1500;
  Best Local Similarity   81.5%;  Pred. No. 29;
  Matches   22;  Conservative    0;  Mismatches    5;  Indels    0;  Gaps    0;

Qy       3 GCCTCCGGAGGAACCGNCTGCCCATGC 29
           |||  ||||||| ||| |||| |||||
Db      21 GCCCGCGGAGGAGCCGCCTGCGCATGC 47


RESULT 9
US-09-008-097-3
; Sequence 3, Application US/09008097
; Patent No. 6306830
;  GENERAL INFORMATION:
;    APPLICANT:  Hammond, H. Kirk
;    APPLICANT:  Insel, Paul A.
;    APPLICANT:  Ping, Peipei
;    APPLICANT:  Post, Steven R.
;    APPLICANT:  Gao, Meihua
;    TITLE OF INVENTION:  GENE THERAPY FOR CONGESTIVE
;    TITLE OF INVENTION:  HEART FAILURE
;    NUMBER OF SEQUENCES:  9
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  MORRISON & FOERSTER
;      STREET:  755 PAGE MILL ROAD
;      CITY:  PALO ALTO
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94304-1018
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/008,097
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Dylan, Tyler M
;      REGISTRATION NUMBER:  37,612
;      REFERENCE/DOCKET NUMBER:  22000-20567.21
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  650-813-5600
;      TELEFAX:  650-494-0792
;      TELEX:  706141
;  INFORMATION FOR SEQ ID NO:  3:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  1812 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    FEATURE:
;      NAME/KEY:  Coding Sequence
;      LOCATION:  1...1812
;      OTHER INFORMATION:
US-09-008-097-3

  Query Match             56.5%;  Score 19.2;  DB 4;  Length 1812;
  Best Local Similarity   72.7%;  Pred. No. 43;
  Matches   24;  Conservative    0;  Mismatches    9;  Indels    0;  Gaps    0;

Qy       2 GGCCTCCGGAGGAACCGNCTGCCCATGCCAACT 34
           |||  |||||||  | | | | |||||||  |||
Db     668 GGCTGCCGGAGGCCCGGGCCGACCATGCCCACT 700


RESULT 10
US-09-008-097-5
; Sequence 5, Application US/09008097
; Patent No. 6306830
;  GENERAL INFORMATION:
;    APPLICANT:  Hammond, H. Kirk
;    APPLICANT:  Insel, Paul A.
;    APPLICANT:  Ping, Peipei
;    APPLICANT:  Post, Steven R.
;    APPLICANT:  Gao, Meihua
;    TITLE OF INVENTION:  GENE THERAPY FOR CONGESTIVE
;    TITLE OF INVENTION:  HEART FAILURE
;    NUMBER OF SEQUENCES:  9
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  MORRISON & FOERSTER
;      STREET:  755 PAGE MILL ROAD
;      CITY:  PALO ALTO
;      STATE:  CA
;      COUNTRY:  USA
;      ZIP:  94304-1018
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  DOS
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/008,097
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
```

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;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Dylan, Tyler M
;      REGISTRATION NUMBER:  37,612
;      REFERENCE/DOCKET NUMBER:  22000-20567.21
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  650-813-5600
;      TELEFAX:  650-494-0792
;      TELEX:  706141
;  INFORMATION FOR SEQ ID NO:  5:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  3549 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    FEATURE:
;      NAME/KEY:  Coding Sequence
;      LOCATION:  1...3501
;      OTHER INFORMATION:
US-09-008-097-5

  Query Match             56.5%;  Score 19.2;  DB 4;  Length 3549;
  Best Local Similarity   72.7%;  Pred. No. 45;
  Matches   24;  Conservative    0;  Mismatches    9;  Indels    0;  Gaps    0;

Qy       2 GGCCTCCGGAGGAACCGNCTGCCCATGCCAACT 34
           |||  |||||||  | | | | |||||||| |||
Db    1301 GGCTGCCGGAGGCCCGGGCCGACCATGCCCACT 1333


RESULT 11
US-07-793-961A-1
; Sequence 1, Application US/07793961A
; Patent No. 5334521
;  GENERAL INFORMATION:
;    APPLICANT:  Yoshihiro Ishikawa
;    TITLE OF INVENTION:  Cloning and Character-
;    TITLE OF INVENTION:  ization of a Cardiac Adenylyl Cyclase
;    NUMBER OF SEQUENCES:  1
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Alan M. Gordon
;      ADDRESSEE:  American Cyanamid Company
;      STREET:  1937 West Main Street,
;      STREET:  P.O. Box 60
;      CITY:  Stamford
;      STATE:  Connecticut
;      COUNIRY:  USA
;      ZIP:  06904
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy Disk
;      COMPUTER:  IBM PC AT
;      OPERATING SYSTEM:  MS-DOS
;      SOFTWARE:  ASCII from DW4
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/793,961A
;      FILING DATE:  19911118
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Gordon, Alan M.
;      REGISTRATION NUMBER:  30,637
;      REFERENCE/DOCKET NUMBER:  31,705
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  203 321 2719
;      TELEFAX:  203 321 2971
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  4046 base pairs listed
;      TYPE:  NUCLEIC ACID
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
US-07-793-961A-1

  Query Match             56.5%;  Score 19.2;  DB 1;  Length 4046;
  Best Local Similarity   72.7%;  Pred. No. 46;
  Matches   24;  Conservative    0;  Mismatches    9;  Indels    0;  Gaps    0;

Qy       2 GGCCTCCGGAGGAACCGNCTGCCCATGCCAACT 34
           |||  |||||||  | | | | |||||||| |||
Db    1428 GGCTGCCGGAGGCCCGGGCAGACCATGCCCACT 1460


RESULT 12
US-08-240-357-1
; Sequence 1, Application US/08240357
; Patent No. 5578481
;  GENERAL INFORMATION:
;    APPLICANT:  Ishikawa, Yoshihiro
;    TITLE OF INVENTION:  Cloning and Characterization of a
;    TITLE OF INVENTION:  Cardiac Adenylyl Cyclase
;    NUMBER OF SEQUENCES:  2
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  American Cyanamid Company
;      STREET:  One Cyanamid Plaza
;      CITY:  Wayne
;      STATE:  New Jersey
;      COUNTRY:  USA
;      ZIP:  07470-8426
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/240,357
;      FILING DATE:  10-MAY-1994
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Gordon, Alan M.
;      REGISTRATION NUMBER:  30,637
;      REFERENCE/DOCKET NUMBER:  31,705-01
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  201-831-3244
;      TELEFAX:  201-831-3305
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  4046 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  DNA (genomic)
;    FEATURE:
;      NAME/KEY:  CDS
;      LOCATION:  131..3625
US-08-240-357-1

  Query Match             56.5%;  Score 19.2;  DB 1;  Length 4046;
  Best Local Similarity   72.7%;  Pred. No. 46;
  Matches   24;  Conservative    0;  Mismatches    9;  Indels    0;  Gaps    0;

Qy       2 GGCCTCCGGAGGAACCGNCTGCCCATGCCAACT 34
           |||  |||||||  | | | | |||||||| |||
Db    1428 GGCTGCCGGAGGCCCGGGCAGACCATGCCCACT 1460


RESULT 13
US-08-726-214-11
; Sequence 11, Application US/08726214
; Patent No. 6107076
;  GENERAL INFORMATION:
;    APPLICANT:  Tang, Wei-Jen
;    APPLICANT:  Gilman, Alfred G.
```

```
;    TITLE OF INVENTION:  SOLUBLE MAMMALIAN ADENYLYL CYCLASE
;    TITLE OF INVENTION:  AND USES THEREFOR
;    NUMBER OF SEQUENCES:  31
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Arnold, White & Durkee
;      STREET:  P.O. Box 4433
;      CITY:  Houston
;      STATE:  Texas
;      COUNTRY:  United States of America
;      ZIP:  77210
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/726,214
;      FILING DATE:  Concurrently Herewith
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 60/005,498
;      FILING DATE:  04-OCT-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Highlander, Steven L.
;      REGISTRATION NUMBER:  37,642
;      REFERENCE/DOCKET NUMBER:  UTSD:450
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (512) 418-3000
;      TELEFAX:  (512) 474-7577
;  INFORMATION FOR SEQ ID NO:  11:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  4131 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-726-214-11

  Query Match             56.5%;  Score 19.2;  DB 3;  Length 4131;
  Best Local Similarity   72.7%;  Pred. No. 46;
  Matches   24;  Conservative    0;  Mismatches    9;  Indels    0;  Gaps    0;

Qy       2 GGCCTCCGGAGGAACCGNCTGCCCATGCCAACT 34
           |||  |||||||  | | | | |||||||  |||
Db    1353 GGCTGCCGGAGGCCCGGGCAGACCATGCCCACT 1385


RESULT 14
US-09-474-076-1
; Sequence 1, Application US/09474076
; Patent No. 6465237
; GENERAL INFORMATION:
;  APPLICANT:  Tomlinson, James E.
;  APPLICANT:  COR Therapeutics, Inc.
;  TITLE OF INVENTION:  CLONING AND CHARACTERIZATION OF A HUMAN ADENYLYL
;  TITLE OF INVENTION:  CYCLASE
;  FILE REFERENCE:  44481-5028-01-US
;  CURRENT APPLICATION NUMBER: US/09/474,076
;  CURRENT FILING DATE:  1999-12-12
;  PRIOR APPLICATION NUMBER:  PCT/US98/13694
;  PRIOR FILING DATE:  1998-07-01
;  PRIOR APPLICATION NUMBER:  60/070,904
;  PRIOR FILING DATE:  1997-07-01
;  PRIOR APPLICATION NUMBER:  08/886,550
;  PRIOR FILING DATE:  1997-07-01
;  NUMBER OF SEQ ID NOS:  2
;  SOFTWARE:  PatentIn Ver. 2.0
; SEQ ID NO 1
;   LENGTH: 4942
;   TYPE: DNA
;   ORGANISM: human type VI adenylyl cyclase
;   FEATURE:
;   NAME/KEY: CDS
;   LOCATION: (145)..(3648)
US-09-474-076-1

  Query Match             56.5%;  Score 19.2;  DB 4;  Length 4942;
  Best Local Similarity   72.7%;  Pred. No. 46;
  Matches   24;  Conservative    0;  Mismatches    9;  Indels    0;  Gaps    0;

Qy       2 GGCCTCCGGAGGAACCGNCTGCCCATGCCAACT 34
           |||  |||||||  | | | | |||||||  |||
Db    1448 GGCTGCCGGAGGCCCGGGCCGACCATGCCCACT 1480


RESULT 15
US-09-146-053-6
; Sequence 6, Application US/09146053A
; Patent No. 6399349
; GENERAL INFORMATION:
;  APPLICANT: Ryan, James W.
;  APPLICANT: Sprinkle, Terry Joe Curtis
;  APPLICANT: Venema, Richard C.
;  TITLE OF INVENTION: Human Aminopeptidase P Gene
;  FILE REFERENCE: MCG103
;  CURRENT APPLICATION NUMBER: US/09/146,053A
;  CURRENT FILING DATE: 1998-09-02
;  EARLIER APPLICATION NUMBER: 60/057,854
;  EARLIER FILING DATE: 1997-09-02
;  NUMBER OF SEQ ID NOS: 7
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
;   LENGTH: 45546
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-09-146-053-6

  Query Match             56.5%;  Score 19.2;  DB 4;  Length 45546;
  Best Local Similarity   72.7%;  Pred. No. 55;
  Matches   24;  Conservative    0;  Mismatches    9;  Indels    0;  Gaps    0;

Qy       1 AGGCCTCCGGAGGAACCGNCTGCCCATGCCAAC 33
           ||||| || |||||||   ||| | ||| || |
Db   11587 AGGCCACCAGAGGAACGAACTGACIATGGCAGC 11619


Search completed: March 11, 2003, 10:29:06
Job time : 54.0155 secs
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